

**PERFORMANCE
WORK
STATEMENT (PWS)**

**SBIWTP
OPERATION AND MAINTENANCE (O&M)**

**USIBWC
23 September 2026**

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A. DESCRIPTION OF SERVICES

1.0 BACKGROUND. The South Bay International Water Treatment Plant (SBIWTP) was initially designed as a twenty-five million gallon per day (25 MGD) wastewater treatment plant located at 2995 Clearwater Way, in San Diego, California, on the International Boundary.

Construction of the plant's advanced primary treatment was completed in September 1997, and construction of the secondary treatment was completed in May 2011. From 2011 to 2025, the plant treated an average of 25MGD/day of wastewater originating in Tijuana, Baja California, Mexico. SBIWTP is operated under the authority and at the direction of the United States Section, International Boundary and Water Commission (USIBWC). An average of 25 MGD of effluent is discharged through the South Bay Ocean Outfall (SBOO) which is subject to the requirements of the National Pollutant Discharge Elimination System (NPDES) Permit, Permit Number CA0108928, Order Number R9-2023-0009, and Order Number R9-2026-0005, As Amended. The NPDES Permit is issued by the California Regional Water Quality Control Board (CRWQCB). It is anticipated that a new NPDES Permit will be issued during the contract period that may have additional requirements outside the current scope. When needed, a modification to this Contract will be prepared to address additional permitting requirements.

Information describing the SBIWTP, SBOO, and other related infrastructure, are referred to as The Facility.

The Facility consists of:

- Five diversion structure canyon collectors located at:

- Stewart's Drain

- Canyon del Sol

- Silva's Drain

- Smuggler's Gulch

- Goat Canyon

- Two pump stations

- Hollister Street Pump Station

- Goat Canyon Pump Station

- Two junction boxes

- Junction Box 1

- Junction Box 2

- South Bay Land Outfall (SBLO)

- South Bay Ocean Outfall (SBOO)

- (*Note: Ocean Outfall drop shaft, tunnel and riser are not part of this scope of work)*

Additionally, other associated infrastructure, such as the pipes and conveyances between the

diversion structures, pump stations, and the wastewater treatment plant, are considered part of the Facility.

In 2024, USIBWC successfully awarded a contract for the design and construction of the rehabilitation and expansion of the SBIWTP from 25 MGD to 50 MGD, with a peak hourly flow capacity of 75 MGD. The project was awarded using the Progressive Design-Build (PDB) contract delivery method consistent with Government contracting practices and regulations. USIBWC awarded the contract to PCL Construction (PCL) of Long Beach, California. In turn, PCL selected Stantec Consulting Services, Inc. (Stantec), of San Diego, as the design firm.

Plant Expansion of Capacity

In August 2025, the plant's treatment capacity expanded from the current 25 MGD to 35 MGD. The SBIWTP currently provides 35 MGD of advanced primary treatment; 25 MGD will continue on to receive secondary treatment, and 10 MGD will bypass secondary to the outfall. The treatment additional 10 MGD was authorized through a Cease and Desist Order (“CDO”), R9-2025-0139 issued on August 28, 2025, superseded by NPDES Permit amendment, issued on April 8, 2026.

The ongoing rehabilitation and expansion project scope includes expanding the current 25 MGD SBIWTP to 50 MGD, with a peak hourly flow capacity of 75 MGD. The process of the plant's expansion will unfold in strategic phases, with the full plant expansion targeted for completion by 2031. The initial phase of the PDB project encompasses design and preconstruction services. The second phase includes the construction services for rehabilitation and expansion of the SBIWTP. The second phase is divided into two major components:

- The primary plant expansion, with an anticipated Notice to Proceed in Fall 2026.
- The secondary plant expansion, anticipated to receive Notice to Proceed in 2027, contingent upon available funding.

In early 2026, the Grit Facility rehabilitation was completed, including replacement of grit classifiers, pumps, blowers, and force main valves and piping. The following additional rehabilitation and expansion efforts are currently underway, including concrete repairs to the Primary Sedimentation Tanks (PSTs) and Effluent Channel, replacement of roofing and odor control systems, upgrades to WAS and PST sludge pumps and control panels, and site work for shoring, excavation, new Headworks, two new PSTs, underground tie-ins, and associated fencing.

Throughout the contract term, major expansion work will continue, including construction of the new integrated Headworks with grit removal and influent pump station, two PSTs, and the SBIWTP storage warehouse (target completion in 2029), followed by full primary treatment expansion involving underground and above ground construction, equipment installation, structural, mechanical, yard piping, and plant-wide electrical and SCADA system upgrades through 2030.

Secondary treatment expansion—including seven new Activated Sludge Tanks (ASTs) and ten new Secondary Sedimentation Tanks (SSTs), is expected to start in late 2027.

During the expansion, the PDB team will work closely with the Contractor to ensure continued operation and maintenance of SBIWTP during the construction services phase and adjusting operations to support design and construction efforts when necessary. The Contractor shall provide close collaboration and extensive coordination with the PDB team to ensure SBIWTP operations are maintained without disruption throughout the expansion project. This support shall involve answering operation or maintenance questions, attend operations and coordination meetings, stay informed of project execution, coordinate haul routes and staging areas, participate in commissioning of new equipment or facilities, assist with plant tie-ins and shutdowns including dewatering tanks, and identify potential operation and maintenance impacts to SBIWTP. The Contractor shall provide information that may require their expertise from their O&M personnel including operations, maintenance, electrical, instrumentation and controls staff. An essential responsibility will include reviewing proposed shutdown plans to verify that plant operations can be maintained and that O&M will not be negatively impacted.

The PDB project team will continue to hold full responsibility for all construction activities associated with the SBIWTP expansion. Throughout the incremental expansion period—during which temporary or permanent equipment and assets are added to the facility—this O&M Contract will be periodically reviewed. Any new operations or maintenance requirements that emerge will be incorporated through the formal contract modification process, ensuring that services not yet identified or captured in the PWS receive appropriate authorization.

Current Treatment Process at the Plant

SBIWTP's advanced primary treatment process train consists of influent conveyance, preliminary treatment to include mechanical screening, aerated grit removal dewatering, influent pumping, and chemically enhanced primary sedimentation. In order to accept the additional 10 MGD plant flow, for a total of 35 MGD, the chemically-enhanced primary treatment (CEPT) system was re-established in 2025 using iron-salt and anionic polymer injection.

The existing secondary treatment process train consists of activated sludge facilities, secondary sedimentation facilities, and waste activated sludge thickening facilities. The additional 10 MGD bypasses the existing secondary treatment process.

The existing solids processing consists of sludge and skimming pumping facilities, un-stabilized sludge storage, sludge conditioning facilities, belt filter press dewatering and lime stabilization of solids.

CEPT, sludge thickening, and sludge dewatering equipment have been added to accept the plant flow of 35 MGD, and are stand-alone systems with local control panels.

To accommodate the additional solids generated by treating the increased flow of 10 MGD, the following equipment was added to the facility.

- Thickening – two (2) Rotary Drum Thickener (RDT) packages. Packages include rotary drum thickeners, TWAS pumps, polymer pumps for two RDTs, wash water booster pumps, and control

panels to supplement the current dissolved air flotation treatment (DAFT) system. (see Attachment 16)

- Dewatering – one (1) Sludge dewatering trailer mounted screw press system to supplement the existing dewatering system. Screw press will be fitted with stand-alone polymer system and a single point sludge cake discharge conveyor. (see Attachment 16). Contractor shall ensure the sludge trailer is checked daily to maintain a balanced trailer loading.

Both advanced primary and secondary processes have the capability of chlorination with sodium hypochlorite, and de-chlorination with sodium bi-sulfite. Stabilized sludge, screenings, and grit will be trucked to Mexico by a Mexican Contractor for dedicated landfill disposal.

1.1 SCOPE OF WORK. The Contractor shall provide all personnel, equipment, tools, materials, supervision, and other items or services necessary to perform the full operation and maintenance of the Facility.

While the Contractor shall operate the Facility in full compliance with all applicable permits and regulations, the **USIBWC retains legal liability** for regulatory actions or third-party claims related to permit or legal compliance. The Contractor's role is to **support permit compliance** through diligent operations, monitoring, and reporting, but it is not legally liable for permit violations or violations of law unless due to gross negligence or willful misconduct, or failure to perform its obligation in this Contract. This plant is operated at the direction and in the discretion of the Federal government.

Routine Operations and Maintenance. Wastewater influent into the Facility originating in Tijuana, Baja California, Mexico, may be of an unknown nature and conditions. The following conditions, but not limited to, are considered as routine at SBIWTP.

- Heavy and moderate rains, often overwhelm the Facility with heavy sediment, trash, debris, and rocks. Additional maintenance and operating procedures will be required by the Contractor.
- Various parts of the Facility were not designed to manage the characteristics of the influent flow into the SBIWTP, or have the proper redundancies to perform the required maintenance or repair while the plant is in operation. Additional steps and considerations will be required of the Contractor to perform the routine and manufacturer recommended maintenance. (Refer to Section 1.2.2 below)
- The increased average and peak influent flows heighten the likelihood of blinding at the headworks coarse screens. To address these conditions, the Contractor shall update its Preventative Maintenance Plan to include all additional maintenance needs associated with the temporary equipment and key process areas: the headworks coarse screens, grit chamber, channels, Primary Sedimentation Tanks (PSTs), PST effluent channel, Activated Sludge Tanks (ASTs), and the Primary Effluent channel skimming gates.
- Flows to the diversion structure canyon collectors are unpredictable due to the condition and events occur in Mexico. The Contractor shall be prepared to implement Spill and Transboundary Flow Event Prevention and Response Plan at all times.

- At times, and due to circumstances outside the control of the U.S. Section, the SBIWTP may experience periods of **zero influent flow** caused by unforeseen conditions in Mexico. Vendors shall be prepared to implement an operational plan that prevents process failure and protects the biological treatment system during these no-flow conditions, including maintaining system stability when no organic loading enters the plant for periods that may extend over several days. When such an unforeseen condition occurs, the Contractor shall follow the established contract modification request process to document impacts, request compensation, and obtain approval for any claims associated with responding to and managing these conditions.

NPDES Permit requirements and responsibilities. The contractor shall only be responsible for the monitoring and reporting requirements of the Facility. The Contractor is not responsible for Ocean Receiving Water and Tijuana River Valley Monitoring Requirements, Regional Monitoring Requirements, or Special Studies Requirements in the NPDES Permit.

- Place of Performance.** All work performed under this PWS shall be performed at The Facility, SBIWTP to include its Canyon Collectors System and pump stations, see Attachment 17 for map. SBIWTP is located at 2995 Dairy Mart Road, San Diego, CA 92154.
- Period of Performance.** Period of Performance is projected to be a 5-year contract (Base Year plus 4 Option Years).
- Contract Line-Item Numbers (CLINs).** Tasks are categorized as follows:
 - FFP CLIN #1: Routine operations and maintenance for 25 MGD.
 - CLIN #2: Routine operations and maintenance for additional 10 MGD
- The Contractor shall propose a CLIN mapping matrix per the solicitation Attachment Pricing Structure.

1.1.1 Phase-In and Transition Services. Upon award, the incoming Contractor shall execute Phase-In and Transition Services over a 60-day period. During this period, the incumbent Contractor retains full responsibility for Plant operations. The incoming Contractor shall coordinate with the Government and incumbent to ensure uninterrupted service and prepare to assume full O&M responsibilities at Phase-In completion. Within 15 calendar days of award, the incoming Contractor shall submit a Transition Plan that (i) identifies key roles and qualifications, staffing coverage, and shift plans; (ii) details communications protocols and continuity of critical systems; (iii) outlines milestones, risk management, and acceptance criteria; and (iv) addresses coordination for data, records, and Government-owned property in accordance with Sections 3.2 (Joint Inventory), 4.8.5 (Records Management), and 4.6 (Security Requirements). The Continuity of Operations Plan (COOP) deliverable and requirements shall be satisfied per Section 4.6.3.

1.2 OPERATIONS

1.2.1 General. The Contractor shall operate the Facility in accordance with (IAW) industry standards, federal, state and local laws and regulations, and permit requirements. The Contractor shall support USIBWC's compliance with the requirements of the National Pollution Discharge Elimination System (NPDES) permit issued by the California Regional Water Quality Control Board (RWQCB) and the Air Quality Control permits issued by the San Diego Air Pollution Control District (APCD), all other permits issued for the Facilities during the duration of this O&M contract, and all additions and or amendments to all permits and rules throughout the life of the contract. The Contractor shall conduct its activities in compliance with all permits & plans pertaining to SBIWTP wastewater collections and treatment. This includes maintaining data and information on site and made available as required by the regulators. While the Contractor's operation of the Facilities must be compliant with permit, regulatory, and contract requirements, the Government retains liability for regulatory actions or any action filed or asserted by a third party in court based on Facility's permit compliance.

1.2.2 Operation & Maintenance of SBIWTP.

The Contractor shall be required to operate the Facilities and maintain staffing twenty-four (24) hours per day, seven (7) days per week at the SBIWTP including Federal Holidays. The Contractor shall be required to coordinate the collection and disposal of solids (sludge and grit), and regulation and control of plant wastewater inflows with representatives of the Mexican Government as a requirement of daily operation of the facilities. Sludge and grit disposal trucks will be operated by Mexican drivers, at no cost to the Contractor. The Contractor is responsible for coordination, as well as loading the trucks and any other weight distribution that is needed to assist the Mexican truck drivers/operators before they head off. Mexico is responsible for all maintenance and/or repair on said trucks.

- a. The plant shall be operated in coordination with Mexican Pumping Station No. 1 operators in a manner to maintain an average daily inflow of thirty-five (35) million gallons per day, and to minimize the potential of excess flow within the Tijuana sewer conveyance system. The Contractor shall have at least one bilingual (English and Spanish) operator on-site at all times (24/7) to facilitate communication and coordination with Mexican operators. The Contractor's bilingual operator will be required to communicate with Mexican personnel, such as operators and engineers, through various means including cell phone chat apps, radio, phone/video calls, and in-person meetings.
- b. The Contractor shall be required to operate and maintain the infrastructure that controls and conveys influent to the plant, that includes structures such as Junction Boxes 1 and 2 and associated piping; the canyon collectors & associated piping; and pump stations. Maintenance of this infrastructure requires sediment removal and fluctuating amounts of sediment and can entail urgent repairs.
- c. The Contractor shall be solely responsible for providing all chemicals and for payment of all chemical costs incurred in wastewater treatment operations, beginning from the first day of operation. Chemicals are defined as all treatment process chemicals

necessary for chemically enhanced primary treatment, sedimentation, sludge conditioning and dewatering, and odor control. No chlorination and de-chlorination is required for the SBIWTP effluent. Offerors shall bid this solicitation based on the highest monthly chemical dosage identified in Attachment 10 which represent values for monthly chemical dosages. The Government will not provide additional compensation, adjustments, or equitable relief for costs associated with missed, omitted, or insufficient sampling or chemical testing requirements. All such costs shall be borne exclusively by the Contractor.

- d. The Contractor shall utilize process control data for the different processes at the SBIWTP for proper operation and treatment of wastewater, both liquid and solids trains.
- e. The treated effluent discharged through the SBOO is subject to the requirements of the NPDES Permit, Permit Number CA0108928, as Amended. The Contractor shall operate the Facilities in compliance with all permits and regulatory requirements for the Facilities. The Contractor shall process on average, 35 MGD through primary treatment (with CEPT using Ferric Chloride and anionic polymer), 25 MGD through secondary treatment, and bypass up to 10 MGD after the Primary Settling Tanks (PSTs) that includes Chemically Enhanced Primary Treatment (CEPT), through Primary Effluent Bypass Channel and blended with secondary effluent. CEPT shall be kept optimized to achieve a target 75% removal of Total Suspended Solids in the PSTs to achieve an advanced primary effluent. All costs associated with this treatment, including chemical costs, shall be included in the bid price. The Government retains liability for regulatory actions or any action filed or asserted by a third party in court based on Facility's permit or legal compliance
- f. The Contractor shall be responsible for providing the necessary sampling and testing program, as per Monitoring and Reporting Program Requirements in the NPDES Permit. In addition to Influent and Final Effluent (blended) sampling, a composite samples of the primary effluent and secondary effluent is required to monitor the quality of the primary effluent and secondary treatment process prior to blending. The Contractor shall use the same water parameters and same frequency as the current final effluent permit requirements. The additional data will be analyzed and reported along with the blended flow rate by USIBWC. Primary effluent and secondary effluent results shall be provided to USIBWC via the Contracting Officer's Representative (COR) and are not required to be sent to the Regional Board.
- g. Stabilized sludge, screenings, and grit will continue to be trucked to Mexico by a Mexican Contractor for dedicated landfill disposal. Biosolids, sludge, disposal shall be in accordance with NPDES permit AND Ministry of Environment and Natural Resources, Official Mexican Standard Ref. NOM-004-SEMARNAT-2002, Attachment 22 provided, however, that those parameters of NOM-004-SEMARNAT-2002 requiring addition of lime to the biosolids and sludge will not be applicable to Contractor until the lime silos at the SBIWTP are rehabilitated and returned to service.
- h. The Contractor shall implement process and equipment inspection schedules for plant

and auxiliary facilities operation, and implement and maintain operator round sheets, daily logs, and diaries necessary for satisfactory documentation of equipment operation and maintenance. All data shall be made available, within 15 calendar days after request, for review. The contractor shall inform the COR of any major off-line equipment within 24 hours of discovery of the off-line equipment. The Contractor shall maintain and share with USIBWC at its request maintenance logs reflecting maintenance that was implemented. The Contractor shall also conduct daily inspections of the Canyon Collectors as required by the NPDES permit, record inspections on USIBWC-approved forms, and submit reports to USIBWC via the COR and San Diego Field Office (SDFO) Area Operations Manager (AOM) as required by the NPDES permit.

- i. The Contractor shall implement a data management system to maintain complete operational records. The Contractor shall include provisions for networked word processing, spreadsheet and database functions. All documents, recordings, photos/videos, or any other information pertaining to laboratory data, operation records, operations history, maintenance or operations procedures, including technical reports, memoranda and any other such information, that is gathered by the Contractor in the performance of O&M duties under the terms of the contract, whether written or stored electronically, shall remain the sole property of the Government. The Contractor's data management system must be capable of loading all Government data currently existing within the incumbent Contractor's data management system. The Contractor is responsible for maintaining the data management system and must implement a maintenance plan for the data management system. All Government-owned data must be made available to USIBWC within 3 business days of USIBWC's request for such data or, alternatively, stored on a drive that is accessible by USIBWC personnel.
- j. The Contractor shall investigate, document, and report all spill events (flows that escape from plant or facilities after initial capture) and/or transboundary wastewater flows (flows that bypass the facilities) in accordance with NPDES Permit, Permit Number CA0108928, as Amended, and the Spill and Transboundary Flow Event Prevention & Response Plan (Attachment 20).
- k. The Contractor shall attend bi-national meetings and at times may be asked to present results/summaries of transboundary flows, spill prevention, and influent violations/operational effects of influent constituents, during these meetings. Information obtained at these meetings is confidential and subject to USIBWC approval before release.
- l. Operation and maintenance shall be IAW manufacturer's manuals, instructions, best industry practices. Maintenance shall be scheduled in a nonproprietary enterprise asset management system (EAMS) for each asset, meeting the USIBWC asset definition. Once the USIBWC owned EAMS is available, the Contractor is responsible for providing all asset inventory data to be incorporated into USIBWC EAMS. It is the contractor's responsibility to keep the asset inventory up to date as projects are completed for rehab/replacements.

- m. The Contractor is responsible for ensuring that an adequate Contractor owned vehicle fleet is provided for the operation and maintenance of the plant and canyon collector structures and conveyance systems.
- n. The Contractor shall be solely responsible for providing all fuel and for payment of all fuel costs associated with the operation and maintenance of all the facilities and equipment in the scope of this contract (including gasoline, oils, diesel, lubricants, solvents, etc., required for generator(s) testing and operation, and any equipment purchased, maintained, or rented for Contractor use).
- o. The Contractor shall supply and be solely responsible for payment of all labor, materials and supplies for operation and maintenance of the plant, including all buildings and grounds maintenance, duplicating and photocopy supplies of their own administration, first aid and safety supplies, process lab supplies, laboratory equipment, safety equipment, clothing and uniforms, maintenance supplies, and other consumable materials and supplies.
- p. Contractor shall provide for and be solely responsible for payment of all cleaning services, trash collection, equipment, rentals, service agreements for equipment, repair services, maintenance services, temporary or part-time help, dedicated gate entry security, legal fees, registrations, dues, postage and freight charges, subscriptions, advertising, printing and binding, photographic services, vehicles and equipment, and other professional services.
- q. The Contractor is responsible for the operation and maintenance of all temporary equipment that is installed and commissioned by the PDB team for the increased flow of 10 MGD.
- r. Given the routine conditions and operations outlined in section 1.1 of this Performance Work Statement, the Contractor shall ensure built up of grit and debris do not impact plant operations and permit compliance, to include, but not limited to, temporary equipment, coarse screen at headworks, grit chamber, channels, PSTs, PST effluent channel, ASTs, Primary Effluent channel skimming gates.
- s. The Contractor shall utilize a designated laydown yard area, with signage, exclusively for the staging, organization, and storage of large-scale equipment and materials that, due to their size, weight, or operational constraints, cannot be reasonably accommodated in other closed facilities. The Contractor shall maintain an updated, written inventory of all major equipment stored within the laydown yard and provide such inventory to the Owner upon request. The area is to be maintained clean and orderly.
- q. The Contractor shall not permit the accumulation of scrap, debris, packaging, pallets, or general refuse within or adjacent to the laydown yard. All trash, waste material, and debris generated by or resulting from the Contractor's operations shall be collected, securely contained, and completely hauled off-site to an authorized disposal facility at minimum every seven (7) calendar days.

1.2.3 Operation & Maintenance of Canyon Collectors

- a. During the dry weather months of April through October, the Canyon Collector structures (Smuggler's Gulch, Goat Canyon, Stewart's Drain, Silva Drain, and Canyon Del Sol) shall be fully cleaned of sediment and debris as necessary each day such that all dry weather sewage flows are captured at all times. Also, Contractor must place and maintain sandbags on the canyon collector weir and catch basins must be cleaned and maintained during Dry Season.
- b. During the wet weather months of November through March, the Canyon Collector structures shall be fully cleaned of all debris and put back into service within ninety-six (96) following a storm event of 0.1 inches or greater (i.e., 24 hours after wet weather, as defined in the NPDES Permit. In addition, the sand/grit and blockages interceptors at the Canyon Collectors shall be cleaned as necessary to ensure proper operation.
- c. The Contractor has specific responsibilities during spills and/or dry weather transboundary flow event, which is an event where flows bypass the Collectors during dry weather. See Attachment 20 Spill & Transboundary Flow Prevention and Response Plan.
- d. The conveyance pipelines for the Canyon Collectors shall be kept free of obstructions at all times and shall be cleaned or flushed as necessary to ensure proper operation. The Contractor shall be solely responsible for the proper off-site disposal of the debris (trash, garbage, sand, rocks, miscellaneous materials, etc.) removed from the Canyon Collectors Systems within seven (7) calendar days of each cleaning event for each canyon, including hauling costs, permit and disposal fees. Removed materials which are not considered suitable for fill shall be disposed of as directed by the COR. Upon completion of clean up, all on-site waste and disposal areas shall be cleaned and the debris removed from the site. No stockpiling shall be allowed unless directed by the COR. Transportation and disposal shall be in accordance with all applicable State and Federal Environmental regulations. The estimated quantity of materials to be removed and disposed of from the Canyon Collector structures (Smuggler's Gulch, Goat Canyon, Stewart's Drain, Silva Drain, and Canyon Del Sol) fluctuates, but is estimated to be 7,000 cubic yards annually. Please note that the amount of sediment and debris can fluctuate significantly based on conditions beyond USIBWC's control. In the event that canyon collectors experience unusually high volumes, the Contractor may request contract modifications via the use of O&A process (ref. paragraph 1.6). An unusually high period is defined as when canyon collectors receive double the projected sediment amount within a brief timeframe (such as 1-2 weeks) and this elevated level persists without subsiding, requiring immediate attention.
- e. In accordance with the Monitoring and Reporting Program Requirements in NPDES Permit, Permit Number CA0108928, as Amended, the Contractor shall conduct daily inspections of each of the Canyon Collectors (Goat Canyon, Smuggler's Gulch, Canyon del Sol, Silva Drain, and Stewart's Drain). Additional inspections of the Canyon Collector system shall be conducted to address issues or concerns, such as the potential blockage of the intake screens. The Contractor shall also conduct inspections of each of the canyon collectors

during the periods of each rain event, a minimum of once per day during the actual event, such that the events are documented (If the rain event occurs after the initial inspection is performed, a minimum of one more inspection shall be performed and documented to monitor the effects of the rain event).

- f. The Contractor shall document all inspections using Attachment 11, complete with photographic evidence, and submit these records to the COR, monthly, as part of the regular O&M report. Each inspection at every location must include all information requested on Attachment 11, along with rain gauge readings (measured from the Goat Canyon Pump Station rain gauge).
- g. The Contractor shall also be responsible for the operations of the SBLO and disposal pipeline system, up to and including the Ocean Outfall drop shaft sewage air valve assemblies.
- h. Occasionally, maintenance of the Facility may include entry onto non-Government owned land or facilities, where the Contractor must implement the required repair or maintenance. Contractor must coordinate with IBWC so we can secure a right of entry or other required permits for the Contractor for such activity.

1.2.4 Operation and Maintenance of the SCADA System

a. System Description and Ownership

- 1. The Supervisory Control and Data Acquisition (SCADA) system is owned by the USIBWC and operated/maintained by the Contractor.
- 2. The SCADA architecture consists of:
 - o Two Local Control Centers (LCCs)
 - o Inductive Automation Ignition Platform
 - o Windows based workstations, servers, and Human Machine Interface (HMI)s
 - o Program Logic Controller (PLC)s, ControlLogix controllers, field devices, sensors, Remote Terminal Unit (RTU)s
- 3. The SCADA system is air-gapped from external networks and configured to comply with FISMA and federal cybersecurity requirements.
- 4. All hardware, software, licenses, and Information Technology/Operational Technology (IT/OT) components used within SCADA are Government owned assets.

b. Contractor Responsibilities – SCADA IT/OT Operations

The Contractor shall operate, maintain, configure, and support the entire SCADA system, including all IT and OT components.

1. SCADA IT Components (Government Owned)

Contractor shall maintain and support (include but not limited to):

- Windows servers & workstations
- Storage systems & Storage Area Network (SAN) infrastructure
- All networking components supporting SCADA (routers, firewalls, switches, connectivity appliances)
- Backups, data logging, historian functions, and shared data storage

2. SCADA OT Components (Government Owned)

Contractor shall maintain and support (include but not limited to):

- PLCs, ControlLogix controllers, HMIs, RTUs
- Field sensors and instrumentation
- All OT communication and connectivity infrastructure
- All cabling, onsite communication wiring, and local radio/telephone infrastructure
(excludes long haul circuits outside of main campus)

3. Configuration, Upgrades, and Patching

- Perform software, firmware, and configuration updates to all SCADA components.
- Apply system vulnerability remediation in accordance with USIBWC timelines.
- As the Admin for the SCADA system, will assist with integration of SCADA system expansions, upgrades or modifications funded by the Government.

4. Documentation & Cybersecurity Requirements

The Contractor shall develop, maintain, and update:

- Network diagrams
- RMF SOPs, POAMs, risk registers
- Incident response and contingency plans
- Annual tabletop or real-world exercise documentation
- NIST system categorization and system security plans
- Monthly SCADA system status reports (cyber posture, CVE/KEV remediation, upgrades, project status, initiatives)
- Maintain and update an established Sequence of Operation (SOO) manual that documents SCADA system configuration points and operational processes the SCADA System monitors and maintains. The SOO is provided in Attachment 19.
- Maintain compliance with all Federal and Agency IT/OT Standards, Policies and Regulations

5. Audit Support & Remediation

- Correct findings from federal security audits or assessments within 90 days, when within Contractor control.
- Support USIBWC or federal agency biennial FISMA/NIST assessments.

c. Initial Condition Assessment

Upon award, the Contractor shall perform a comprehensive SCADA IT/OT risk assessment covering the entire plant and SBIWTP area (refer to Section 3.2) including:

- Field instruments
- Connectivity infrastructure
- Network components
- IT/OT interfaces

A proposal addressing required corrective actions shall be submitted in accordance with Section 1.6.

d. Lifecycle Management & Reporting

1. In conjunction with the Condition & Risk Assessment Plan (refer to Section 1.3.6)

- Identify systems/hardware/software that are End of Life (EOL), End of Warranty, or no longer compatible with SCADA

2. Monthly Reporting (to be included in the monthly O&M reports, section 1.3.3)
Reports shall include:

- Cybersecurity posture
- Status of POAMs, CVE remediation, projects, system upgrades
- Inventory updates

3. Notification Requirements

- Notify the Government within 4 hours of discovering any failed or non-functioning IT/OT asset outside of Contractor repair scope.

4. IT/OT Inventory

- Maintain complete hardware and software inventory, including make, model, and serial numbers, and provide updates to USIBWC EAMS for asset management.

e. Contractor Corporate Network Requirements (Contractor Owned)

The Contractor shall maintain a separate corporate network to support administrative work and reporting. This network:

- Must not physically or logically connect to the SCADA system
- Must include standard cybersecurity controls (firewalls, smart routers/switches, antivirus)
- Must support data backup and recovery functions
- Requires quarterly vulnerability assessments
- Must have documented cybersecurity procedures submitted to USIBWC for review

f. Controlled Unclassified Information (CUI) Requirements

Contractor corporate systems used to process or store CUI shall comply with:

- NIST SP 800-171 Rev 3 (or latest revision)
- Associated assessment requirements
- Applicable FIPS 199 security categorization standards

g. Training Requirements

All contract employees with SCADA access shall complete annual SCADA system and control system best practices training, developed and administered by USIBWC.

1.2.5 Sampling and Analysis. The current NPDES permit for the Plant is Order No. R9-2026-0005(effective April 8, 2026), NPDES No. CA0108928. If the Permit is amended or a new NPDES Permit is issued during the Contract period, it may have additional requirements outside the current scope as written in the current permit. If needed, a modification to the Contract will be prepared to address additional permitting requirements

1.2.5.1 The Contractor shall be responsible for implementing and assuring proper sampling protocol, analysis and laboratory quality assurance in accordance with the National Pollution Discharge Elimination System (NPDES) permit. If the Contractor uses an outside laboratory to meet this requirement, the lab must be certified in the state in which the lab is located.

1.2.5.2 The Contractor shall implement, and update the requirements of the Spill and Transboundary Flow Event Prevention and Response Plan for all spill and transboundary flow event, per the NPDES requirement. This includes that Contractor shall respond to and report all spill events (flows that escape from plant or facilities after initial capture or flows that do not exceed the capacity of the canyon collectors) and/or transboundary wastewater flows (flows that bypass the facilities) in accordance with NPDES Permit, Permit Number CA0108928, as Amended and the Spill and Transboundary Flow Event Prevention and Response Plan.

The Contractor shall provide technical support to USIBWC in responding to regulatory inquiries, audits, or enforcement actions. This includes furnishing data, documentation, and subject matter expertise as needed and in a timely manner. The Contractor shall not represent the Government in regulatory proceedings unless explicitly authorized.

1.2.6 Records. A log shall be maintained indicating daily operating activities. Copies of logs and documents, requested under this contract, shall be made available immediately upon request. All operations and laboratory records shall be maintained for five (5) years and originals of each left on site upon contract completion.

1.3 MONITORING AND REPORTING REQUIREMENTS

The Contractor shall prepare and provide all reports (*except for the Ocean Receiving Water and Tijuana River Valley Monitoring*) Regional Monitoring Requirements and Special Study Requirements, in accordance with the Attachment E Monitoring and Reporting Program under the Permit. Prior to preparation of the required reports, the Contractor shall review all test results in consultation with the COR and/or USIBWC San Diego Field Office Area Operations Manager (AOM). All reports and records shall be made available to USIBWC prior to upload to the State Water Board's California Integrated Water Quality System (CIWQS). This data is property of the USIBWC and shall not be altered before providing it to USIBWC.

1.3.2 NPDES Monitor and Reporting Program. The Contractor shall execute all aspects of Attachment E of the Permit to conduct routine and episodic self-monitoring that meets the requirements as specified under 1) General Monitoring, 2) Monitoring Locations, 3) Core Monitoring Requirements, and 7) Reporting Requirements for the Facility. The Contractor shall be responsible for providing the monitoring reports to the COR and SDFO AOM for approval prior to submitting them as required. (please refer to Attch. 02 SOM Submittal Registry as well)

1.3.2.1 Daily Canyon Collector Inspection Report. (NPDES Permit Section 6.3.2.1.2.5.2)

1.3.2.2 Amendment to the Flow Prevention and Response Plan. (NPDES Permit Section 6.3.2.1.3.1.)

1.3.2.3 Preliminary Spill and Transboundary Flow Report. (NPDES Permit Section 6.3.2.3.3.)

1.3.2.4 Certified Spill and Transboundary Flow Report. (NPDES Permit Section 6.3.2.3.4)

1.3.2.5 Treatment Plant Capacity Exceedance Action Plan. (NPDES Permit Section 6.3.5.2)

1.3.2.6 Notification of Influent Significantly Changing. (NPDES Permit Section 6.3.5.3.1.2)

1.3.2.7 Annual Biosolids Report. (NPDES Permit Section 6.3.5.4.8)

1.3.2.8 DMR-QA Study. (NPDES Permit Attachment E, Section 1.7.)

Aside from the reporting requirements within the permit the following are required:

1.3.3 Monthly Operations (O&M) Report. - No later than the 15th of each month the Contractor shall submit to the Contracting Officer's Representative (COR) and Contracting Officer (CO) a report explaining operations for the preceding month specifically including flow

data, chemical usage, bio solids activities and a detailed discussion of operational problems and corrective actions. Operations and Maintenance report will include influent and effluent wastewater quality and quantity, quality and quantity of sludge produced, removal efficiencies obtained, chemicals stored and dosages used in processes, repairs and maintenance tasks performed (including equipment off-line) and status of any pending modifications. The Contractor shall also report their detailed preventative maintenance activities performed for the prior month as well as repair activities.

1.3.4 Laboratory Summary Report & Data- a report summarizing laboratory results/data and lab results with QA/QC (to include toxicity reports) for the prior month shall be submitted to the CO and COR by the 15th of each month.

1.3.5 Storm Water. The Contractor shall provide all information in the State of California, State Water Resources Control Board, Annual Report for Storm Water Discharges Associated with Industrial Activities (State Water Resources Control Board, Water Quality Order No. 2014-0057-DWQ, NPDES General Permit No. CAS000001. The Contractor shall submit an electronic copy to the COR by June 10th of each year. The Contractor shall perform all sampling, testing, and analysis as required in the attached report. In addition, the Contractor shall perform and record all visual assessments and conduct the applicable annual comprehensive site compliance evaluation as detailed in the report.

1.3.6 Condition & Risk Assessment Report- The Contractor shall conduct an annual infrastructure condition assessment to assess the condition of all SBIWTP infrastructure, canyon collector & lift stations, facilities, equipment, and its components. The Contractor shall submit a condition assessment report to include the asset description, asset identification, asset location, condition rating, and scoring methodology. The condition assessment shall also include a risk assessment of equipment and risk to USIBWC. The risk assessment shall report on the effectiveness of internal controls and how to mitigate risks for the following year. The condition and risk assessment allows the Government to properly program for major repairs, refurbishments, replacements, and upgrades in future years that are not covered under the O&M Contract. The Contractor's initial assessment shall be submitted to the COR by 30 September 2027. Thereafter, the Contractor shall submit annual assessments, not later than 30 September of each year.

1.3.7 Five-Year Capital Plan- The Contractor shall provide a Five-Year Capital Plan to project, over a five-year period, major repairs, refurbishments, replacements, and upgrades of infrastructure, facilities, equipment, and components that are required to ensure the continued functionality of the SBIWTP. The Five-Year Capital Plan will allow the Government to properly program for major repairs, refurbishments, replacements, and upgrades in future years that are not covered under the O&M Contract. The Contractor's initial Five-Year Capital Plan shall be submitted to the COR by 30 Sep 2027. Thereafter, the Contractor shall submit annual Five-Year Capital Plans, not later than 30 September every year.

1.3.9 As-builts- The Contractor shall provide markups/red-lines to the Plant as-builts within thirty (30) calendar days of completion of modification for each modification to the Plant. The

markups/redlines shall include, as minimum, the date of the modification, Contractor, and cost. The modifications shall be provided in an AutoCAD file along with an Adobe Acrobat file. Plant modifications requiring the approval by a Professional Engineer shall abide by the requirements established by the California Board for Professional Engineers, Land Surveyors, and Geologists. This review and support shall be included in the bid proposal price.

1.3.10 Information Management- The Contractor shall provide an admin network Information Technology (IT) security plan for review and approval by the USIBWC. The plan should address measures and procedures used in providing communications security, continuity and maintenance for the admin network. The Contractor shall assess and validate system documentation, update baseline configuration and documentation, and network diagrams. The Contractor's initial IT security plan shall be submitted to the COR by 30 Sep 2027. Thereafter, the Contractor shall submit annual Five-Year Capital Plans, not later than 30 September every year.

1.3.11 Standard Operating Procedures- The Contractor shall develop and provide Standard Operating Procedures (SOP) for the unit processes defined in the manuals. SOPs shall include start-up, routine operation, and shutdown procedures for unit process systems. The Contractor may develop SOPs using the O&M Manual and SOPs developed by the previous Operations Contractor as a guide. SOPs shall be reviewed by the Contractor, updated as needed using the O&M Manuals, and made available upon request to the Contracting Officer and COR.

1.3.12 Deferred Maintenance & Repairs Report- The Contractor shall prepare a Deferred Maintenance and Repairs Report for all SBIWTP infrastructure, facilities, equipment, and components. Deferred maintenance is defined as routine maintenance and repairs, one-time repairs, refurbishments, replacements, or upgrades under \$200,000 that were not performed when they should have been, or were scheduled to be and which were put off or delayed for a future period. All Deferred Maintenance and Repairs require review and approval by the COR within 15 business days. The Deferred Maintenance and Repairs Report shall be submitted annually no later than January 15th of each year, or can be included within your Five-Year Capital Plan.

1.3.13 Preventative Maintenance Plan (PMP)- The Contractor shall provide, and implement, an annual Preventative Maintenance Plan for all capital assets, to include SBIWTP, temporary plant equipment, pump stations, canyon collector systems, conveyance systems, plant operational buildings, admin. Buildings, HVAC systems, lighting, power distribution, potable water, sewer systems, fire suppression, furnishings of spare parts, critical spare parts, storage equipment and materials. The PMP shall be submitted for approval, no later than 30 September. The CO and COR shall have 30 days to review and provide feedback. The PMP shall be in par with section 1.5.1 Preventative Maintenance Inspection program. The PMP does not need to be submitted every year for review, but Contractor must update as needed.

1.4 NOTICE OF NON-COMPLIANCE. The Contractor shall notify the CO, COR, and AOM as soon as possible but not longer than 12 hours after an event having the potential to invoke a Notice Of Non-Compliance or Notice of Violation (NOV) from the state or federal authorities. The Contractor shall report spills and transboundary wastewater flows, as previously described, in accordance with Section VI.C.2.d of the NPDES Permit No. CA018928, as Amended. The

Contractor shall also notify CO, COR, and SDFO AOM in writing as soon as possible, but not greater than two (2) calendar days after the date the Contractor became aware of any non-compliance. If an erroneous mistake is made by the Contractor, Contractor shall correct within 7 days (or less) upon notice. The Government may hold the Contractor liable for all fines incurred as a result of non-compliance or notices of violation due to negligence on the part of the Contractor.

1.5 MAINTENANCE/REPAIR

1.5.1 Preventive Maintenance. Preventive maintenance shall mean labor and materials predicted and scheduled for equipment or systems to prevent equipment failure, to extend equipment or parts life to the equipment's or parts manufacturer's standard life expectancy or beyond. Contractor must establish a preventative maintenance and inspection (PMI) program for all wastewater related equipment and systems to prevent and correct deficiencies with process equipment and systems. PMI program shall be performed in accordance with manufacturers' recommended procedures, original equipment manufacturer (OEM) standards, ASME, WEF, and NASSCO. Preventative labor, material and costs in addition to test results shall be tracked in EAMS. The Contractor shall develop a list of critical spare parts and maintain such inventory to keep the entire system in continuous service to meet collection demand and treatment requirements. This listing shall be available for the Government review by request. The Contractor shall not use breakdown maintenance as part of the PMI program.

1.5.2 Predictive Maintenance. Predictive maintenance relies on conducting maintenance activities intended to maximize equipment life and optimize performance. Predictive testing shall include but not limited to cctv exploration, vibration analysis, tribology (lubrication), infrared thermography and motor current analysis. Predictive labor, material and costs in addition to test results shall be tracked in the contractor's nonproprietary EAMS and transferred over when IBWC EAMS is available. Activities should at a minimum meet the design and performance criteria identified in the O&M manuals. Contractor shall develop, update and track minimum attributes required by IBWC.

1.5.3 Corrective Maintenance/Repair. Corrective maintenance shall mean labor and parts or installation of new equipment necessary to repair or restore equipment or systems to normal operating functionality. The Contractor shall be responsible for the repair or repair by replacement of wastewater related equipment. Corrective labor, material, and costs shall be tracked in EAMS. Wastewater equipment or systems requiring the use of specialized equipment or engineering and construction services to restore the system or equipment to normal functionality shall be reviewed on a case-by-case basis by the COR and CO. See paragraph 1.6

1.5.4 Asset Management System. The Contractor is responsible for supporting the Government's Enterprise Asset Management System (EAMS) program by developing and maintaining asset management processes for Government-owned facilities. This includes preparing Asset Management Plans, validating inventories, scheduling maintenance, and creating a long-term sustainment roadmap. The Contractor must integrate operations, maintenance, inspections, and condition data into a unified program, and provide the necessary systems and tools to manage and report this information. All data and documentation must be delivered in Government-approved formats and remain Government property. The asset management system must ensure full Government ownership and unrestricted data access, with no proprietary limitations. Coordination with the Government is required to meet reporting standards, and the Contractor must manage asset inventories, maintenance schedules, condition

assessments, and spare parts tracking, while regularly updating and validating asset data. The Government is planning to secure and operate a future EAMS software platform. The Contractor's Asset Management platform shall provide data to be incorporated into the Government's EAMS.

1.5.5 Warranty. Contractor shall maintain equipment to ensure all maintenance activities (monitoring, inspection, preventive, and predictive) related to warranty requirements, as required by original equipment manufacturer (OEM), are tracked and completed. Warranty shall be tracked in Contractor provided asset management program.

1.5.6 Building Maintenance. The Contractor shall assume responsibility for both preventive and corrective maintenance of equipment including the HVAC systems in their administrative building, potable water systems, backflow prevention devices, and electrical systems. Additionally, the Contractor shall maintain all structural components of their administrative buildings, including doors, hinges, jambs, windows, locks, and roofing systems, to include physical security items such as locks, card scanners, gates & locks, etc. The Contractor's responsibilities extend to the maintenance of all pavement infrastructure throughout the entire SBIWTP facility, such as roads, sidewalks, and drainage systems. Comprehensive pest management services shall be provided by the Contractor, encompassing weed control in turf and rock areas, roads, sidewalks, as well as rodent control throughout the SBIWTP facility, the immediate exterior of the gates, and IBWC's administrative building. However, the Contractor will not be responsible for maintaining the HVAC, roof, structural elements, plumbing, or other building systems within USIBWC's administrative building.

1.6 Over and Above (O&A) Work Procedures. O&A work refers to non-routine, unplanned or emergency task resulted from events, circumstances, or site-specific issues that were not known or reasonably foreseeable at the time of contracting; and/or that are not covered under the base scope of the O&M contract, known as Unforeseen Condition; and the projected cost of material and labor is greater than \$200,000. O&A work could include response to a emergency situation that beyond the control of the O&M contractor, or work that is not defined or anticipated in the PWS.

- (1) The Contractor's project manager (PM) shall notify the CO and COR immediately when encounter work that are non-routine or unforeseen condition, by identifying the situation, impacts, the proposed work that is required, and whether the proposed work would trigger the definition of O&A work specified that would exceed \$200,000. Work shall not commence on any O&A work until the Contractor receives written permission from the Government.
- (2) If the proposed work is at or under \$200,000, Contractor shall proceed with the work upon review and approval by the CO.
- (3) If the work triggers the definition O&A work and exceeds \$200,000, the Contractor's PM shall follow the O&A section and submit a proposed work plan and initial estimate to the

COR and CO within five (5) business days, for non-emergencies, and within the requested timeframe for emergencies.

(4) The COR for this contract will –

- (a) Promptly review the O&A work request for technical acceptability and the reasonableness of the price within seven (7) business days.
- (b) Verify that the proposed work is required, appropriate, and is not covered under the basic contract line items.
- (c) Verify whether the permanent repair or replacement can be deferred as part of upcoming capital plan.
- (d) Verify that funding is available for the O&A work request.
- (e) Approval will be done in writing, unless under emergency conditions where oral approval, by the CO, may be used. All oral approvals from the CO will be followed up in writing.
- (f) Failure of the Contractor to provide the information required on the O&A work request, within the specified timeframe, may be grounds for the Government to openly compete the O&A work. Additionally, if the government and the Contractor cannot agree on a price for the O&A work request, the Government has the right to openly compete the O&A work.

1.7 Major Repair and Replacement.

All required one-time repairs, refurbishments, replacements, or upgrades at or under \$200,000 is considered within the base scope of the O&M contract, Costs for these should be anticipated in the cost proposal. Major repairs and replacement should be planned out as part of the Capital Plan based on the condition and risk assessment each year, to allow the proper planning and execution through the budget process. Contractor shall take appropriate actions to plan and execute the work accordingly to maintain plant operations and Permit compliance. The Contractor shall not defer or delay any repair, refurbishment, replacement, or upgrade until the cost exceeds \$200,000 in order to transform the work into an out-of-scope task. Should the contractor delay repair such that it turns into an out-of-scope task, the Contractor will be responsible for the entire cost of the repair. Any costs for major repairs performed within the scope of this contract (i.e., under \$200,000) must be included in the bid price and may not be billed separately to the Government through claims, adjustments, or other means. *Please note that the plant typically experiences an average of four major repairs within this cost range; contractors should account for this in their proposals.*

1.8 Removed Parts and Materials. The Contractor shall notify the COR when any item with a replacement cost over \$500 is removed from equipment or facilities.

B. LABORATORY AND REGULATORY AGENCY COORDINATION

2.0 Laboratory Management: The Contractor shall implement a laboratory quality control and management plan to include selection and procurement of outside lab analytical services. The Contractor shall provide analytical laboratory testing services to ensure regulatory requirements monitoring. The Contractor shall provide procedures, and an organizational chart showing staffing dedicated to the laboratory quality control and management plan. The Contractor shall coordinate with the laboratory concerning all data needs and results. The Contractor shall provide influent and effluent sampling and analysis in accordance with NPDES Permit, Permit Number CA0108928, Order Number R9-2023-0009, As Amended, and the Monitoring and Reporting Program Requirements in the NPDES Permit, Permit Number CA0108928, Order Number R9-2023-0009, As Amended. The Contractor shall perform all laboratory analysis and sampling in accordance with U.S., California, EPA approved methodologies and regulations. The Contractor shall follow the NPDES Permit requirements for sampling schedule, analysis, reporting frequency, etc. The Contractor shall delineate all sampling points, establish sampling protocols, schedule, analyses, and reporting method for in plant use. The laboratory quality control and management plan shall address process sampling & reporting, sludge management and reporting, facility odor and air emission control, as well as regulatory agency coordination plans.

2.1 Regulatory Agency Coordination: The Contractor shall maintain compliance at all times with applicable regulatory agencies having a jurisdiction over activities at the SBIWTP. These include, but are not limited to:

- a. California Regional Water Quality Control Board Orders applicable to the SBIWTP
- b. San Diego Air Pollution Control District permits for operation of equipment within the SBIWTP
- c. California Division of Industrial Safety requirements for the SBIWTP
- d. California Office of Wastewater Operator Certification requirements for personnel and staff operating the SBIWTP
- e. California Emergency Response Commission requirements for hazardous chemicals used at the SBIWTP

2.1.2 The Contractor shall be solely responsible for payment of all annual permit fees and any annual increases for such fees for regulatory compliance with any agency having jurisdiction over the operation of the SBIWTP activities. The Contractor shall maintain a Regulatory Support Log documenting all actions taken to support USIBWC's permit compliance, including sampling, reporting, inspections, responses to transboundary flows at canyon collectors pursuant to the Transboundary Spill Flow Event Prevention and Response Plan, and coordination with regulatory agencies. This log shall be made available to the COR upon request.

C. GOVERNMENT FURNISHED PROPERTY (GFP) AND SERVICES

3.0 Incidental Government Furnished Services

The Government will provide to the incoming Contractor, office space and telephone communication equipment that is currently existing. The Contractor shall provide all office, safety and lab equipment that is needed. The Contractor is responsible for ensuring that adequate office, safety, and laboratory equipment are provided in the operation and maintenance of the plant. All land, building improvements, and permanent equipment, which are in place at the time of contract commencement, is the property of the Government. In addition, all equipment, parts, materials, computer hardware and software purchased by the Contractor and paid for by the Government, or software modified by the Contractor's personnel during the performance of this contract and paid for by the Government, shall become the property of the Government. Leased or rented equipment shall remain the property of the Contractor at the conclusion of the Contract.

3.1 Utilities: All reasonable quantities of electricity, gas, water, telephones, will be made available to the Contractor without charge.

3.2 Joint Inventory The Contractor and COR shall conduct a joint inventory of all GFP where GFP is being provided. The initial inventory shall be conducted and forwarded to the CO no later than 90 calendar days following contract performance start date. Upon expiration of the contract, a joint inventory shall be accomplished with the successor Contractor in the event the incumbent Contractor is not awarded a new contract. In this case, the incumbent Contractor will be provided disposition instructions for the GFP. A second joint inventory will not be required if the incumbent Contractor is awarded the new contract. All joint inventories shall be conducted and documented by the Contractor, signed by the Contractor and the COR, and forwarded to the CO. Additions and/or deletions from the joint inventories will not be made without the consent of the CO and will be documented in the form of a modification and will be provided to the Contractor.

D. GENERAL INFORMATION

4.0 PROGRAM MANAGEMENT

The Contractor shall submit the qualifications of all management and supervisory operations personnel for review and approval by USIBWC CO/COR prior to filling any management and supervisory positions. The Contractor shall provide qualified employees, including management, technical, site security, safety and quality control, laboratory and administrative personnel, who meet applicable local, state, and federal certification & license requirements to operate the plant and equipment. The Contractor must designate a qualified, fully trained backup individual for each Key Personnel position. No Key Personnel position shall be left unattended, vacant, or without active coverage during core operational hours. Key Personnel is identified as the Program Manager, Superintendent, Site Safety and Health Officer (SSHO), SCADA Systems Personnel (SSP) and Plant Asset Manager. The Contractor shall provide supplemental management, technical and administrative personnel to augment plant personnel. All Contractor personnel shall be required to obtain access authorization from the USIBWC Security Officer or the Contracting Officer prior to entering the SBIWTP and facilities. Any personnel found to be physically working at the SBIWTP, and/or its other facilities, and has not received access or a favorable adjudication of their background investigation and/or fingerprint/National Agency Check (NAC) check shall be removed immediately upon notification from the USIBWC Security Services Division.

4.1. Contract Employees. The Contractor shall maintain a sufficient number of qualified personnel on site to operate and maintain the Wastewater Treatment Plant (WWTP) as specified in the PWS. All treatment plant operators shall be certified in accordance with the Regional Water Quality Control Board wastewater certification rules throughout the life of the contract. Personnel performing laboratory analysis for the purposes of regulatory compliance shall be trained and certified to a level of class II. Certification records shall be maintained on site, up to date and valid at all times. All initial and follow-on Contractor personnel shall be fully qualified, trained, and knowledgeable on the operation and maintenance of wastewater treatment plant. All Contractor personnel must present a neat appearance and be easily recognized as Contractor employees. This may be accomplished by wearing Contractor-furnished clothing bearing the company name and/or logo. Dress of office workers will be in good taste and conducive to working with the general public. The Contractor will identify himself as a Contractor in meetings, telephone conversations, video meetings, cellphone application chats/meetings, and e-mails and in any correspondence with the stakeholders. Superintendents, supervisors, and/or SCADA specialists may require a Tier 4 level background investigation prior to beginning work.

4.2 Key Personnel. The Contractor shall appoint in writing to the CO within 15 business days following contract award a contract Program Manager and identify qualified individuals for the Key Personnel listed below. These individual(s) will be responsible for contract performance IAW the FAR.

4.2.1 Program Manager (PM). PM position appointed in writing, and any changes to this letter of appointment shall be provided to the CO within three (3) business days. The PM or alternate shall function as the responsible party and shall be available to government personnel within an

hour of notification during normal duty hours (7 am to 6 pm) and three hours after normal duty hours to discuss wastewater treatment plant and contract issues, have full authority to act for the Contractor on all contract matters. The PM shall be able to lead the contract and make decisions that are in the best interest of the contract as well as USIBWC. This person shall be the liaison between USIBWC and the Contractor's operations team; they must promote a "team" approach for the program and monitor its progress. The PM shall stay involved, be knowledgeable about the program, perform periodic regular visits and be proactive when dealing with issues that may arise. This is a key position that requires many skills across a broad range of disciplines. USIBWC reserves the right to have the PM removed if, in their opinion, the Program Manager fails to meet these requirements. The PM and plant Superintendent cannot be the same person.

4.2.2 Superintendent A minimum of seven (7) years combined experience in the management and operations of activated sludge with aeration tanks facilities with a minimum of five (5) years of experience as an on-site Grade V Plant Superintendent for activated sludge with aeration tanks. Bachelor's degree in discipline related to the job duties or a combination of education and experience which would be expected to provide equivalent skills, and possession of a valid Grade V WWTP Operator Certification from the State of California.

4.2.3 Site Safety and Health Officer (SSHO). The Contractor shall provide a dedicated, standalone Site Safety and Health Officer (SSHO) who shall be physically present at the Wastewater Treatment Plant (WWTP) facility during all hours of operational and maintenance services. The SSHO shall have no collateral duties and shall focus exclusively on safety, occupational health, and environmental compliance. The SSHO must have a minimum of five (5) years of progressive safety management experience in an industrial facility setting, with at least two (2) years of direct safety oversight at a mechanical wastewater or water treatment facility. Must possess a valid OSHA 30-Hour Construction or General Industry certification (or international equivalent approved by the CO), current First Aid/CPR/AED certifications, and documented Competent Person status in Confined Space Entry, Lockout/Tagout (LOTO), and Respiratory Protection. Fluent English proficiency in both written and spoken formats is a must. The SSHO shall report functionally to the Contractor's corporate office but shall coordinate operationally with the IBWC SSHO and the Contracting Officer's Representative (COR).

4.2.4 SCADA Systems Personnel (SSP). The Contractor shall designate in writing to the Contracting Officer (CO) within fifteen (15) business days following contract award a SCADA Systems Personnel plan responsible for the performance of all duties outlined herein. Any subsequent changes to this designation shall be communicated to the CO within three (3) business days. The designated personnel shall have full authority to act for the contractor regarding all matters pertaining to SCADA operations and contract performance in accordance with the FAR. The SCADA Personnel shall be accessible to the AOM, COR, and/or CO within one hour during normal duty hours (M-F: 7 am to 6 pm) and within two hours after normal duty hours to address critical SCADA system issues.

The SCADA Specialists support daily operations of the plant's automation and control systems, ensuring reliable monitoring, data acquisition, and process control across the facility. This role maintains and optimizes the SCADA network (both IT/OT) which includes but is not limited to: PLCs, HMIs, and all field instrumentation to include critical canyon collector systems to provide

continuous operational visibility and regulatory data integrity. The SSPs also tune key process-control elements, manages historian data for compliance reporting, and upholds cybersecurity program standards. In addition, these position(s) will participate in emergency on-call response to resolve any SCADA network issue, which includes but not limited to: system outages, disasters, high-flow or wet-weather conditions.

The SSP(s) will keep all SCADA devices updated and operational, will provide support during plant rehabilitation and any expansion efforts and will work closely with any construction teams to coordinate new equipment installations during construction or upgrade activities. This coordination ensures new infrastructure is integrated seamlessly into existing control systems. The role requires hands-on technical experience in industrial automation, wastewater treatment processes, and communication networks, supported by formal technical education, with a strong proficiency in modern HMI, PLC platforms, and industrial protocols.

The SSP(s) must bring a minimum of five (5) years of experience working across diverse IT and OT networking environments, with strong capability in virtual infrastructure, operating systems, switching, and SCADA system administration. This includes hands-on proficiency with VMware, Windows environments, Ignition SCADA, Rockwell industrial networking equipment, Meraki and Cisco technologies, advanced server and control-system installation methods, and Tier 1–3 troubleshooting for PLCs, HMIs, telemetry, and RTUs/RCUs. The role also requires programming experience in logic-based languages, C++, or Python; skill in patching and responding to IT/OT security incidents; and the ability to develop and maintain an OT-focused NIST-aligned cybersecurity program for wastewater treatment systems. Candidates must meet minimum qualifications including an associate degree in a related technical field (or equivalent experience), at least five (5) years of SCADA and industrial networking experience with two years in a 10-MGD-or-greater wastewater facility, and preferred certifications such as CCNA, Rockwell, Ignition, VM, WINDOWS, CAP or higher. A Tier 4 Clearance may be required, along with strong technical knowledge of fiber optics, telemetry networks, industrial protocols, and modern HMI and PLC platforms like Ignition, Wonderware, or VT Scada.

4.2.5 Plant Asset Manager. The Contractor shall provide a qualified Plant Asset Manager with experience in enterprise asset management (EAM) systems, preferably within a federal, municipal, or utility environment. The individual must demonstrate proficiency in asset data governance, EAM system administration, and maintenance planning. The asset manager will maintain comprehensive asset records, ensuring accuracy, completeness, and alignment with USIBWC's asset hierarchy and naming conventions. The asset manager will utilize and maintain the EAM system to support maintenance work planning, scheduling, recording condition and risk assessment, and performance reporting; and update and maintain asset inventory as assets are being replaced, added or removed. The asset manager will also conduct quality assurance reviews of work order and asset data, and document findings with recommended corrective actions. The asset manager will also coordinate the implementation of USIBWC's latest EAM software, including collaborating with the IBWC EAM team to support phased rollouts, module enhancements, and user adoption. The Contractor is expected to propose a data governance plan to ensure the accuracy, consistency, and timeliness of asset data, provide monthly status reports summarizing EAM system activities, data quality metrics, recommendations for continuous improvement, and input and validate asset data for new, modified, or decommissioned assets.

4.3 Contractor Licensure and Permits. The key personnel specified in this contract are considered to be essential to work performance. At least 30 calendar days prior to removing or replacing any of the specified individuals the Contractor shall notify the Contracting Officer. The Contractor shall, without any additional expense to the government, be responsible for obtaining any necessary licenses and permits. Additionally, the Contractor is responsible for complying with any applicable Federal, State, and municipal laws, codes, and regulations in connection with the performance of work, as specified in the PWS, which are not provided, in advance, by the government. The Contractor shall be liable for all personnel injuries and equipment damage that result from their negligence or failure to follow safety/health guidelines. The Contractor shall take proper safety and health precautions to protect work, the workers, the public, and the property of others, to include appropriate insurance.

4.4 OPERATIONAL HOURS AND EMERGENCY SERVICES

4.4.1 Normal Hours of Operation. The Contractor shall operate and maintain the WWTP, Canyon Collectors, and pump stations 24 hours per day, 365 days per year.

4.4.2 Operational Emergencies. After normal hours (7 am to 5 pm) of operation the Contractor shall respond with all necessary equipment, (i.e. emergency backup pumps, hoses, etc.) within 60 minutes of the CO, AOM, and COR acknowledgement to the site of an emergency involving a contracted facility or system.

4.4.3 Recognized Federal Holidays:

New Year's Day	Martin Luther King Jr.'s Birthday
Washington's Birthday	Memorial Day
Juneteenth	Independence Day
Labor Day	Columbus Day
Veterans' Day	Thanksgiving Day
Christmas Day	

4.4.4 Tours Information.

The USIBWC treatment facility is federal property and access control procedures are dictated by Federal Law and USIBWC. There are frequent requests for tours from a variety of organizations. It is critical that all visitors be aware of potential site risks and know how to respond in the unlikely event that there is a site emergency. Any tour requests, no matter how small, shall be sent to the San Diego IBWC AOM and COR for prior approval. Composition of all tour group requests shall be submitted along with date, time, and duration of all requested tour. If the tour group consists of members from the media, the Public Affairs Office shall also be notified. No tours on Federal property are allowed without prior **written** approval from the CO, AOM, or COR. Under no circumstances shall the Contractor give a tour of any plant assets or federal property without prior notice and approval from IBWC.

On the day of a tour arranged by the contractor, the tour group shall be under the direct supervision of the contractor and must be escorted at all times by a vetted contract employee. A visitor acknowledgement form is needed for all visitors to sign prior to the commencement of any site tour. Non-screened and non-cleared personnel must always be escorted. If the tour is one that is initiated and led by the Contractor, then the Contractor must provide to USIBWC a signed statement from each that releases the USIBWC of any liability for injuries or damages incurred by the visitors that are arising from or related to the tour. These forms must be submitted prior to the start of the tour. The contractor shall be responsible for all visitors under their direction and to allow entry to visitors (Non-Vetted Contractor Employees/ Subcontractors/Deliveries/Maintenance/Inspectors) the following should be completed:

- Verify identification
- Verify access with the person they wish to see or contact
- Assign an escort (as applicable)
- Issue Visitor Badge/Name tag (as applicable)
- Enter name and employer in Visitor Log

At no time during the tour shall Contractor share information with the tour guests that is discretionary, confidential, or otherwise close-hold that the Contractor has garnered in performance of its duties. Opinions of the Contractor shall be clearly communicated as Contractor opinions and not Government, opinions.

4.4.5 Proprietary Information. Information, documents, discussions, notes, and meeting summaries

obtained or created during the execution of this contract constitute Government property and may not be disclosed, publicly discussed, utilized, or represented in any form without prior written authorization from the Government. All press releases must be reviewed by USIBWC for approval to ensure no sensitive government information is being released without authorization. USIBWC may, in turn, wish to submit the release through its offices.

Information requests from non-IBWC personnel: should be coordinated with USIBWC PAO and Legal team, to include SDFO AOM and COR.

Information requests from IBWC: When IBWC needs to gather copies pertaining to the permit, or compliance, or the SBIWTP records, the COR will submit a Request for Information (RFI) to the Contractor. The Contractor is required to review each RFI, determine the necessary action, and respond to the COR within 14 business days. If the COR submits more than four RFIs within a 72-hour period, the Contractor is granted an additional two days for each RFI review. This process is reciprocal, allowing the Contractor to submit RFIs to the COR if a response is needed. In no instance shall the information be withheld or altered before furnishing to the Government.

4.5 QUALITY MANAGEMENT

4.5.1 Contractor Quality. The Contractor shall develop, document, implement, maintain, and continuously improve a comprehensive Quality Control Plan that ensures WWTP operations and maintenance provide continuous, cost effective, and efficient treatment of wastewater, as well as compliance with Federal, State, local regulations, and all requirements of this PWS. Refer back to section 2.0.

4.5.2 Government Quality Assurance. The Government shall evaluate the Contractor's performance under this contract. Evaluations will be provided to the Contractor, in writing, through CPARS evaluation system. The COR shall inspect by validating actual work performance, physically checking an attribute of a completed task, checking a management information report, conferring with facility managers, or otherwise inspecting the task or its results to determine whether or not performance meets the standards contained in this PWS.

When a performance threshold has not been met or Contractor performance and or re-performance has not been accomplished, the COR will initiate and provide the CO a Corrective Action Letter (CAR) for issuance to the Contractor. The Contractor will be allowed 30 days to correct, unless specified otherwise. Contractor performance will also be recorded annually in the Contractor Performance Assessment Reporting System (CPARS) database. These evaluations may be used by other government agencies as a record of Contractor performance history for the purpose of evaluation in other competitive or noncompetitive acquisitions.

4.6 Security Requirements — Update (24 Sep 2026)

The Contractor shall be responsible for safeguarding all Government property provided for Contractor use. When unoccupied, all government facilities, equipment, and materials shall be secured with posted security or equivalent, during hours of operation for access control. The Contractor shall establish and implement methods to ensure all keys issued to the Contractor by the Government are not lost or misplaced and are not used by unauthorized persons. A good key management system shall be

implemented and coordinated with the SDFO site security manager.

4.6.1 Site Security

SBIWTP is a federal facility subject to Interagency Security Committee (ISC) standards, including annual compliance assessments as documented in the ISC compliance reporting process. Physical security for SBIWTP is managed and overseen by the U.S. International Boundary and Water Commission (USIBWC) Security Services Division (SSD), under the authority of the Regional Security Officer (RSO), who directs, coordinates, and enforces all physical security programs, inspections, and countermeasure requirements for the site

4.6.2 Personnel Vetting and Access

a. Risk Designations & Background Investigations. The USIBWC has specific personnel vetting requirements in order for contractor personnel to access the facilities and SCADA systems necessary to perform the work described in this PWS. The USIBWC Security Office will evaluate the specific duties, length of service on the contract, and other factors to determine the level of vetting that is required for each Contractor and/or Sub-Contractor employee that performs work for this contract. All contractors, whether they be the primary contractor or any subcontractor, must have U.S citizenship or non-U.S. nationals must meet residency criteria and SAVE verification for PIV issuance.

It is the responsibility of the Contractor and/or Sub-Contractor employee to undergo fingerprinting and submit all requested documentation in a timely manner to meet their assigned vetting requirements. Prior to starting work on the contract, they must attain a favorable pre-employment determination or be found to have a previously conducted background investigation or credentialing determination that meets all federal standards and the requirements of the contract. A favorable pre-employment determination permits personnel to begin work on the contract while waiting for a full background investigation to be completed and adjudicated.

A Personal Identity Verification (PIV) credential may be requested, and for most positions will be required, for physical access to USIBWC controlled facilities. All Contractor and/or Sub-Contractor employees that require issuance of a PIV credential must meet the credentialing standards set forth in Homeland Security Presidential Directive 12 (HSPD-12).

All Contractor and/or Sub-Contractor employees are subject to Continuous Vetting and will be enrolled into the Trusted Workforce Continuous Vetting Program during the duration of their affiliation with the USIBWC.

Derogatory or unfavorable personnel vetting determinations may result in immediate removal of a Contractor and/or Sub-Contractor employee at any time.

Typically, the Government investigates personnel at no cost to the Contractor, but the expense of multiple investigations for the same position due to turnover is difficult to justify. Consequently, multiple investigations for the same position may, at the Contracting Officer's discretion, justify reduction(s) in the contract price of no more than the cost of the extra investigation(s).

4.6.3. Badging & Identification. Contractor will maintain project identification card issuance and visible identifiers (e.g., hard hat color or marked apparel), and ensure badges are returned to USIBWC within seven (7) days of termination. Visitor access lists shall be screened weekly, and all visitors shall

sign in/out.

4.6.4 Key, Badge & Visitor Controls

Contractor shall implement key-control procedures coordinated with the SDFO Site Security Manager; maintain visitor logs at the Operator's Admin Building; and ensure escorts for non-cleared visitors and subcontractors when required.

4.6.5 Physical Security During Construction

The Contractor shall coordinate construction access control, temporary fencing/turnstiles, visitor management, and delivery routing with IBWC Field Office, O&M, and CASO, consistent with the Construction Security Plan (e.g., 0131 20260720 PCL Construction Security Plan_SSDeedit).

4.6.6 SCADA Physical Security

Contractor shall maintain SCADA compliance as outlined the SCADA Systems Maintenance and Improvements PWS for SBIWTP. Controlled Unclassified Information (CUI) handling shall align with NIST SP 800-171 Rev 3 and FIPS 199 categorization referenced in this PWS.

4.6.7 Border Crossing Controls

For Gate-3/Gate-4 crossings into and returning-from Mexico, Contractor shall adhere to the SBIWTP Border Crossing SOP: verify IBWC Commission Cards; coordinate notifications with Imperial Beach Border Patrol; log crossings; and escort CESPT drivers within SBIWTP. O&M Contractor shall not open sludge gates for non-authorized crossings.

4.6.8 For Official Use Only (FOUO)

The Contractor shall comply with requests for information and documentation from USIBWC within 14 business days of such request.

If there's a request from non-USIBWC; Contractor's disclosure of USIBWC's records, must be done in accordance with federal regulation, which may include the Freedom of Information Act (FOIA) Program requirements. This regulation sets policy and procedures for the disclosure of records to the public and for marking, handling, transmitting, and safeguarding FOUO material. Contractor shall not disclose USIBWC records directly to the public but must send any request to USIBWC for processing through the appropriate mechanism.

4.6.9 Continuity of Operations (COOP)

Continuation of essential Contractor services during crisis (such as loss of power or natural disaster); are essential and must be performed during a crisis, unless otherwise directed by an authorized government representative. The Contractor shall continue providing service to the at WWTP 24 hours a day until the crisis is over. The Contractor shall provide a Continuation of Operational Plan (COOP) that details how the Contractor will continue to provide services during a crisis (such as loss of power or natural disaster.). The COOP plan is due to the CO and COR within 30 days after contract award and shall include how the Contractor will ensure continuation of services, contain the employee's name, address, home phone number, cell phone number, social security number, security clearance, and duty title. Contractor employees, with approved background checks, will be allowed unescorted access to the plant.

4.6.10 Reporting & Inspections

Contractor personnel shall report to an appropriate authority any information or circumstances of which they are aware of which may pose a threat to the security of Contractor personnel, or resources. Contractor personnel shall support annual USIBWC Security Services Division (SSD) inspections and unscheduled spot inspections; maintain contemporaneous logs; and meet monthly/annual reporting timelines (e.g., SCADA status/cyber reports). Ensure corrective actions from safety/security inspections are tracked to closure.

4.6.11 Training

Contractor shall deliver security training for employees/subcontractors aligned with IBWC SDFO OEP, site Safety Plan (Section 4.7), and CASO annual training requirements (e.g., firearms qualification, emergency procedures, CCTV proficiency, facility familiarization).

4.6.12 References (Authoritative Documents)

- Attch. 27 SD.I.10031-M-2 — Background Investigation Procedures for SBIWTP Contractor Personnel; risk designations and vetting steps.
- Attch. 28 SBIWTP SSP 042020; SCADA/IT security controls, inventories, incident reporting.
- Attch. 29 OEP-SBIWTP (2026); emergency notification, roles, contact matrices.
- Attch. 30 SDFO Facility Security Plan (FSP) (2026);
- Attch. 31 SBIWTP_Border_Crossing_SOP_12012025; gate-3/gate-4 crossing procedures and logging.
- Attch. 32 0131 20260720 PCL Construction Security Plan_SSDEDit; construction access control, visitor management, inspections.
- Attch. 33 FY26 SBIWTP O&M QASP; surveillance and performance monitoring forms.
- Attch. 34 NIST SP 800-171 Rev 3; FIPS 199 — PWS references for CUI safeguarding and categorization.

4.7 SAFETY. The Contractor shall provide a copy of its established safety program under this contract to the CO and COR NLT 60 days after contract award. This plan shall identify preventative measures and delineate safety goals and objectives. The safety program shall comply with the requirements of the Cal-OSHA General Industry and Construction Safety Orders and federal OSHA Standards for General Industry (Part 1910) and Construction (Part 1926) and any other work related state or federal OSHA standards. The safety plan, and any other documentation, must be in electronic format to meet the federal guidance of the Government Paperwork Elimination Act (GPEA). The safety plan shall incorporate federal and state regulations regarding the storage and disposal of hazardous waste. As a baseline, the safety program shall address the following: safety training, safety inspections, accident investigation and reporting, emergency response plans, personal protective equipment with company logo, respiratory protection, hazardous communications, fire protection, general mobile and heavy equipment safe operations, safe vehicle driver operation, occupational immunizations, electrical safety related practices, lockout tag out procedures, general environmental controls, confined space procedures, medical and first aid, bloodborne pathogens, machinery and machine guarding, fall protection, material handling, compressed gas and compressed air equipment, welding operations (hot work permits), hazardous material storage and disposal, toxic and hazardous substances, occupational exposure to hazardous chemicals in laboratories, and recommended site visitor safety guidelines. The safety plan

shall be updated as necessary to reflect the Contractor's current operations or as requested by the Contracting Officer.

The Contractor shall support all government safety inspections, whether scheduled or unscheduled, as required by IBWC. IBWC's Safety Manager will conduct an official safety inspection annually. If the Contractor fails any inspection, the Contracting Officer (CO) will issue a Letter of Findings and require the Contractor to submit and implement appropriate corrective actions.

When violations of safety and health requirements contained in either Cal-OSHA or federal OSHA safety standards are called to the Contractor's attention by the Contracting Officer or COR, the Contractor shall immediately, within 7 days or less, correct the conditions found. If the Contractor fails to comply with the requirements or to explain extenuating circumstances that may prevent compliance, the Contracting Officer may issue an order to stop all or any part of the work covered under this Contract. When satisfactory corrective action is taken, an order to resume work will be issued by the Contracting Officer. The Contracting Officer or the COR may stop work at any time if a condition of imminent danger exists. The Contractor shall not be entitled to any extension of time, nor to any claim for damage or additional compensation by reason of either the requirements of the safety standards or the stop work order. Failure of the Government to order discontinuance of any or all of the Contractor's operations shall not relieve the Contractor of responsibility for the safety of personnel and property.

4.7.1 Safety Records. The Contractor shall follow Cal-OSHA and federal OSHA accident reporting procedures to include serious incidents. The Contractor shall maintain an accurate record of and shall report immediately (orally but no longer than 8 hours) to the COR all cases of death, occupational diseases, or traumatic injury to Contractor's personnel or to the public. The Contractor shall use the Contractor's Report of Recordable Injury/Illness Form, to report all lost time accidents to the COR within one (1) business day of occurrence. The Contractor shall use the Report of Accident/Incident Report to report all accidents and incidents to the COR. A written report shall be submitted to the COR within one (1) business day after occurrence of the death, disease, or injury. In the case of occupational diseases, time begins after the Contractor has written documentation that disease has occurred. The Contractor shall be in compliance with CAL or Federal OSHA recordkeeping standards and have forms 301, 300, and 300A readily available, current plus five (5) past calendar years.

4.7.2 Hazardous Material Identification. Safety Data Sheets (SDS) are required as specified in the latest version of Federal Standard No. 313 (including revisions adopted during the term of the contract) for any material designated by a government technical representative as potentially hazardous and requiring safety controls. SDSs must be submitted by the Contractor at the pre-performance conference. Failure to provide SDSs or certificates when requested could result in unsatisfactory performance ratings and possible termination of the contract.

4.7.3 Hazardous Material Handling. The Contractor shall provide a hazardous materials management and communications plan for the SBIWTP, and submit with the Site Safety Plan. The contractor shall maintain one copy of the SDS for each hazardous material line item used

within the working areas. The Contractor shall not use products that are or contain Toxic 17 chemicals, Extremely Hazardous Substances (EHS), Ozone Depleting Substances (ODS), and/or Persistent Bio-accumulative and Toxic (PBT) chemicals. Any hazardous materials containing one of these banned substances will not be allowed on federal property.

4.8 CONTRACTOR SUPPORT. In addition to support furnished by the Contractor elsewhere in this PWS, the Contractor shall:

4.8.1 Notification. Document incidents (suspected illegal discharges or overloads to the plant), illegal border crossings, accidents, threats, thefts, events, and disasters. Such notification shall be submitted to the AOM, CO, and COR as soon as possible, but not later than 24 hours of the occurrence.

4.8.2 Corrective Action. The Contractor shall take immediate action to correct noted deficiencies and reply promptly to evaluation, inspection, and survey reports. Corrective Actions shall be documented as Corrective Action Letters or Cure Notice letters from the CO.

4.8.3 Continuity. Continuous, uninterrupted contract service is vital to the government's overall effort. Therefore, at the end of this contract life, if the incumbent Contractor is not awarded the new contract, the incumbent Contractor shall, during the last 60 days of the contract, or any extension thereto, provide support to the government and the successor Contractor to ensure an orderly transition which will minimize any adverse impact on government operations.

4.8.4 RECORDS MANAGEMENT. The Contractor shall maintain copies of the reports/documentation required under the terms of this PWS. The government maintains full rights to all such reports/documentation, which will be turned over to the government upon completion of the contract. The Contractor shall submit the following reports as specified in the Submittal Registry (SOMs) in Attachment 01. All records, files, and documents, regardless of media (e.g., paper, electronic, etc.), as described in this PWS, which are the responsibility of the Contractor are the property of the government and shall remain so upon termination or completion of the contract. Records shall be turned over to the government upon completion of the contract unless otherwise stated. All records are subject to the Freedom of Information and Privacy Act.

APPENDIX A

ACRONYMS

<i>Acronym</i>	Definition
AOM	USIBWC Area Operations Manager
ASME	American Society of Mechanical Engineers
CAR	Corrective Action Report or Letter
CLIN	Contract Line Item Number
CMMS	Computerized Maintenance Management System
CO	Contracting Officer
COR	Contracting Officer's Representative
CS	Contract Specialist
CPARS	Contractor Performance Assessment Reporting System
CUI	Controlled Unclassified Information
DMR	Discharge Monitory Report
EAMP	Enterprise Asset Management Program
EAMS	Enterprise Asset Management System
FAR	Federal Acquisition Regulation
FISMA	Federal Information Security Modernization Act
GFP	Government Furnished Property
HMI	Human Machine Interface
HVAC	Heating Ventilation and Air Conditioning
IAW	In accordance with
ISPP	Information System Plan and Policy
KTR	Contractor
LCC	Local Control Centers
Minute No. #	Agreements officially signed by USA and Mexico, IBWC
MCC	Motor Control Centers
NAC	National Agency Check
NASSCO	National Association of Sewer Service Companies
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
O&M	Operations and Maintenance
OEM	Original Equipment Manufacturer
OSHA	Occupational Safety and Health Act
PLC	Programmable Logic Controller
PM	Program Manager
PMI	Preventative Maintenance /Inspection
PMP	Preventative Maintenance Plan
POV	Privately Owned Vehicle
PWS	Performance Work Statement
QA	Quality Assurance
QC	Quality Control
RTU	Remote Terminal Unit

RWQCB	Regional Water Quality Control Board
SAN	Storage Area Network
SCADA	Supervisory Control and Data Acquisition
SDFO	USIBWC San Diego Field Office
SME	Subject Matter Expert
SOP	Standard Of Procedures
WEF	Water Environment Federation
WWTP	Waste water treatment plant
USIBWC	United States Section, International Boundary and Water Commission

APPENDIX B
O&A Report Form

O&A WORK REQUEST FORM

Control Number _____

Description of work to be performed:

Costs:

Labor: The total labor price shall include all labor costs to include General and Administrative Costs and Profit.

<u>Labor</u> <u>Classification</u>	<u>Number</u> <u>of Hours</u>	<u>Price</u> <u>Per Hour</u>	<u>Total</u> <u>Labor price</u>
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Total of Labor Costs \$ _____

Materials, Supplies, Equipment. Contractor shall identify all materials, supplies, and equipment required regardless of cost. For any single item in excess of \$200,000 the Contractor shall provide at least 3 competing vendor quotes.

Vendor Name & Contact Info	Item	Cost
Total of Materials, Supplies, Equipment Costs		\$ _____

Total of all work request costs \$ _____

Warranty period: Parts _____ Labor _____

Schedule of Work: Start _____ Complete _____ Days and Hours _____

Other Conditions:

Contractor
Signature & Date

Government COR
Signature & Date

Contracting Officer
Signature & Date

APPENDIX C

List of Attachments

1. SOM- Submittal Registry (aka deliverables)
2. Quality Assurance Surveillance Plan (QASP)
3. (Left Blank on purpose, no attachment)
4. NPDES Permit R9-2026-0005
 - 4.a. SD RWQCB Giant Kelp Variance Approval 09.11.26
5. List of Permits
6. SBIWTP Asset Registry 2024
7. FY26 SBIWTP Condition Assessment Report
8. SBIWTP Asset Maintenance Schedule
9. SBIWTP Capital Project List- 2025
10. Monthly Chemical Dosage from 2025-2026
11. Canyon Collector Daily Inspection Template
12. NPDES Annual Biosolids Report 2025
13. SBIWTP O&M Manual
14. SBIWTP System Security Plan
15. NIST SP 800-17r3
16. Plans/Drawings Request Instructions
17. SBIWTP Maps
18. NIST FIPS 199
19. SBIWTP Sequence of Operations (SOO) V2
20. South bay Spill and Transboundary Flow Event Prevention and Response Plan- Oct 2024
21. Wage Determination (WD)
22. Mexico's NORMA 004 Semarnat 2002 english
23. Estimated Lab Sample Quantities
24. Occupant Emergency Plan SDFO 2026